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RESPONSE UNDER 37 C.F.R. § 1.116  
-EXPEDITED PROCEDURE-  
EXAMINING GROUP 3305

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: A.G. Filler et al.

Attorney Docket No. WRUW16938

Serial No: 08/028,795

Group Art Unit: 3305

#20/D  
NE

Filed: March 8, 1993

Examiner: B. Casler

4-2

Title: IMAGE NEUROGRAPHY AND DIFFUSION ANISOTROPY IMAGING

RESPONSE UNDER 37 C.F.R. 1.116

Seattle, Washington 98101

March 21, 1996

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TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Please amend the above-identified patent application as follows and reconsider the claim rejections set forth in the November 17, 1995, Office Action (Paper No. 17).

In the Claims:

Please amend Claim 89 as follows:

89. (Three Times Amended) A method of utilizing magnetic resonance to determine the shape and position of mammal tissue, said method including the steps of:

(a) exposing an in vivo region of a subject to a magnetic polarizing field, the in vivo region including non-neural tissue and a nerve, the nerve including epineurium and perineurium and being a member of the group consisting of peripheral nerves, cranial nerves numbers three through twelve, and autonomic nerves;

(b) exposing the in vivo region to an electromagnetic excitation field;

(c) sensing a resonant response of the in vivo region to the polarizing and excitation fields and producing an output indicative of the resonant response;

(d) controlling the performance of the steps (a), (b), and (c) to enhance, in the output produced, the selectivity of said nerve, while the nerve is living in the in vivo region of the subject; and